

## TIDRADIO TD-M11

# TIDRADIO TD-M11 FRS Walkie Talkie Instruction Manual

Model: TD-M11

## 1. INTRODUCTION

Thank you for choosing the TIDRADIO TD-M11 FRS Walkie Talkie. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

## 2. WHAT'S IN THE BOX

- 4x TIDRADIO TD-M11 FRS Walkie Talkies
- 4x Earpieces with Mic
- 4x 1000mAh Lithium Polymer Batteries
- 4x USB Chargers with Type-C Cable
- 4x Back Cases with Clip
- 2x User Manuals
- 4x Lanyards

## 3. PRODUCT OVERVIEW & FEATURES

The TIDRADIO TD-M11 is a compact, lightweight, and durable FRS two-way radio designed for reliable communication. It features a hidden LED display and supports various functions for enhanced usability.

### 3.1. IP67 Waterproof and Dustproof Rating

The TD-M11 is rated IP67, offering protection against dust ingress and temporary immersion in water. This makes it suitable for outdoor use in various conditions. **Note:** While resistant, avoid prolonged submersion.



Image: The TD-M11 walkie talkie demonstrating its IP67 waterproof and dustproof capabilities under water spray and in dusty conditions.

Your browser does not support the video tag.

Video: A demonstration of the TIDRADIO TD-M11 walkie talkie's IP67 waterproof rating, showing it functioning while being exposed to water.

## 3.2. Easy Programming Options

The TD-M11 offers flexible programming via Bluetooth using the ODmaster APP on your phone or the ODmaster Web on your PC. Traditional 2-pin programming is also supported. Ensure the ODmaster APP is reinstalled if programming issues occur.



Image: Illustration of multi-mode programming for the TD-M11, showing both smartphone app and PC software interfaces.

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Video: Instructions on how to connect the TIDRADIO TD-M11 to a mobile phone for wireless programming using the ODmaster app.

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Video: A guide on how to use the CPS (Customer Programming Software) for the TD-M11 radio, demonstrating its ease of use.

## 3.3. NOAA Weather Updates

Stay informed with NOAA weather updates, a crucial feature for outdoor activities and emergency preparedness.

## 3.4. USB-C Charging & Long-lasting Battery

The 1000mAh rechargeable battery provides over 50 hours of standby time and charges fully within 3 hours via a convenient USB-C port.



Image: The TD-M11 radio showcasing its 1000mAh battery and USB-C charging capability, emphasizing its 50-hour standby time.

### 3.5. VOX Hands-Free Operation

The Voice Operated Exchange (VOX) function allows for hands-free communication, ideal for situations where you need to keep your hands free.

### 3.6. 22 FRS Channels & CTCSS/DCS

Access 22 FRS channels with adjustable power levels (2W for CH1-7, 15-22; 0.5W for CH8-14). Utilize CTCSS/DCS codes for private communication within channels.

### 3.7. Wireless Radio Replication

Quickly copy all settings from one TD-M11 to another, streamlining setup for multiple units.



Image: Two TD-M11 radios illustrating the wireless radio replication feature, allowing quick copying of settings between devices.

### 3.8. Hidden LED Display

The concealed LED screen efficiently displays all relevant information, maintaining a sleek design.



Image: A detailed view of the TD-M11's hidden LED display, which shows channel, volume, and battery information when active.

### 3.9. Compact and Lightweight Design

The TD-M11 is designed to be small and light, making it easy to carry and handle.



Image: A size comparison showing the compact and lightweight design of the TD-M11 walkie talkie relative to a smartphone and a larger radio.

## 4. SETUP

### 4.1. Battery Installation and Charging

1. Ensure the radio is powered off.
2. Align the 1000mAh Lithium Polymer battery with the battery compartment on the back of the radio.
3. Gently push the battery until it clicks into place.
4. Connect the USB-C charging cable to the radio's USB-C port and plug the charger into a power source. The charging indicator will illuminate.
5. Charge the battery for approximately 3 hours for a full charge.

### 4.2. Attaching Accessories

- **Belt Clip:** Attach the back case with clip to the rear of the radio for easy carrying.
- **Lanyard:** Secure the lanyard to the designated loop on the radio to prevent accidental drops.
- **Earpiece:** Plug the earpiece with mic into the K1 headset port on the side of the radio.

## 5. OPERATING INSTRUCTIONS

### 5.1. Power On/Off and Volume Control

- **Power On:** Rotate the power/volume knob clockwise until you hear a click and the display illuminates.
- **Power Off:** Rotate the power/volume knob counter-clockwise until you hear a click.
- **Volume Adjustment:** Continue rotating the power/volume knob to adjust the listening volume.

## 5.2. Channel Selection

Use the CH+ and CH- buttons on the side of the radio to cycle through the 22 available FRS channels. The selected channel number will be shown on the hidden LED display.

## 5.3. Transmitting and Receiving (PTT)

- To transmit, press and hold the Push-To-Talk (PTT) button on the side of the radio. Speak clearly into the microphone.
- Release the PTT button to stop transmitting and listen for a response.

## 5.4. VOX Function

The VOX function allows you to transmit without pressing the PTT button. To activate/deactivate VOX, it must be configured via the programming software (ODmaster APP/Web or CPS) and assigned to a programmable side key.

## 5.5. NOAA Weather Radio

To access NOAA weather alerts, this function must be configured via the programming software and assigned to a programmable side key. Long press the assigned side key to activate the weather alert feature.

## 5.6. Advanced Programming (ODmaster APP/Web & CPS)

For advanced customization of channels, CTCSS/DCS codes, power levels, and other features, use the ODmaster APP (for smartphones) or ODmaster Web (for PC) via Bluetooth. Alternatively, use the traditional CPS software with a 2-pin programming cable.

- **Bluetooth Programming:** Long press the CH+ button to turn Bluetooth on/off. Pair your device with the radio via the ODmaster APP/Web.
- **CPS Programming:** Connect the radio to your PC using a compatible 2-pin programming cable. Launch the CPS software and follow the on-screen instructions.

## TEST REPORT

### Report Declaration:

The test samples were provided and confirmed by the customer in this report, the results contained in this test report do not relate to other samples of the same product.

The manufacturer should ensure that all products manufactured are in conformity with the product sample in this report.

### Manufacture Declaration or Comment:

None

### Summary of Result(s):

NO.	Test Item	Test Method	Result(s)	Conclusion
1.	Dust Test - IP6X	Refer to IEC60529:2013, COR1:2013/COR2:2015 Clause 13.4 &13.6 .	See result	Pass
2.	Waterproof Test- IPX7	Refer to IEC 60529:2013, COR1:2013/COR2:2015 Clause 14.2.7 &14.3 .	See result	Pass

**Note:** Pass: Meet the requirements  
Fail: Does not meet the requirements  
N/A: Not apply to the judgment

Image: The wireless programming options for the TD-M11, including Bluetooth programming via app/web and Kenwood port programming via CPS/CHIRP.

## 5.7. Wireless Radio Replication

This feature allows you to quickly copy all settings from one TD-M11 radio (master) to another (slave). Refer to the programming software for detailed instructions on initiating replication.

## 5.8. Other Functions

- **Scramble:** Encrypts your voice for private conversations.
- **SOS Emergency Alert:** Activates an alert signal in emergencies.
- **TOT (Time-Out Timer):** Limits transmission duration to prevent accidental continuous transmission.
- **Squelch (0-9):** Adjusts the receiver's sensitivity to background noise.
- **Compander:** Improves call quality by compressing and expanding the audio signal.

These functions can be configured and activated through the ODmaster APP/Web or CPS software.

## 6. MAINTENANCE

### 6.1. Cleaning

Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all port covers are securely closed to maintain IP67 rating.

### 6.2. Battery Care

- Charge the battery fully before first use.
- Avoid overcharging or completely draining the battery.



- Store the radio and battery in a cool, dry place when not in use.

## 7. TROUBLESHOOTING

- **Radio not powering on:** Check battery charge and ensure it is correctly installed.
- **Cannot transmit/receive:** Verify channel selection, ensure PTT button is pressed correctly, and check for obstructions or excessive distance.
- **Programming issues with ODmaster APP:** Try removing and reinstalling the app. Ensure Bluetooth is enabled on both devices.
- **Poor audio quality:** Adjust squelch level, check earpiece connection, or activate the compander function via programming.

For further assistance, please contact TIDRADIO customer support.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	TD-M11
Item Weight	2.68 pounds (for 4-pack)
Water Resistance Level	IP67 (Waterproof)
Number of Channels	22 FRS Channels
Frequency Range	FRS (462.55000 - 467.71250 MHz)
Talking Range Maximum	5 Kilometer (approx. 3.1 miles)
Battery Capacity	1000mAh Lithium Polymer
Charging Port	USB Type-C
Special Features	IP67, Hidden LED Screen, Wireless Programming (APP/Web), VOX, NOAA Weather, Scramble, CTCSS/DCS, TOT, Squelch, Compander

## 9. SAFETY INFORMATION

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not disassemble or modify the radio. Repairs should only be performed by authorized personnel.
- Use only TIDRADIO-approved batteries and chargers.
- Keep the radio away from medical devices to avoid interference.
- Avoid exposing the radio to extreme temperatures or direct sunlight for prolonged periods.

## 10. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the official TIDRADIO website or contact their customer service directly. Keep your purchase receipt as proof of purchase.